



SAFETY DATA SHEET

Date of Issue: 14th February, 2019

Issue Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT:

N-Telligent4 Maize
N-Telligent4 Brassicas*
N-Telligent4 Pasture

OTHER NAMES:

SupaCrop 27-7-10
Soluble Phosphate 9-20-10*
Soluble Potassium 6-6-30

USE:

Foliar fertiliser

COMPANY IDENTIFICATION :

Bell-Booth Limited
15 Tiki Place
Palmerston North
New Zealand
tel +64 6 358 9052 fax + 64 6 358 9051
www.bell-booth.co.nz

Emergency Telephone Numbers:

0800 80 90 91
NATIONAL POISON CENTRE
POLICE, FIRE, AMBULANCE
0800 764 766
Dial 111

2. HAZARDS IDENTIFICATION

Product is classified as hazardous according to the NZ Hazardous Substance (Classification) Notice 2017.

HSNO Approval: HSR002571 Fertilizers (Subsidiary Hazard) Group Standard 2017.

HSNO Classifications: 6.1D, 6.3B, 6.4A, 6.5B, 6.8B, 9.3C

Pictograms:



Signal word: WARNING

Hazard Statements:

H302 Harmful if swallowed.
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H361 Suspected of damaging fertility or the unborn child.
H433 Harmful to terrestrial vertebrates.

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Prevention Statements:

P102 Keep out of reach of children.
P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke while using.
P272 Contaminated clothing should not be allowed out of the workplace.
P281 Use personal protection equipment as required.

Response Statements:

P101 If medical advice is needed, have product container or label at hand.
P308 + P313 If exposed or concerned Get medical advice.
P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor.
P330 Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P363 Wash contaminated clothing before re-use.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice.
P391 Collect spillage.

Storage Statements:

P405 Store locked up.

Disposal Statements:

P501 Dispose of product and containers in compliance with local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Betaine	107-43-7	< 10
Copper EDTA	14025-15-1	<1
Boric acid	10043-35-3	< 1
Potassium chloride	7447-40-7	Up to 50%
Urea*	57-13-6	Up to 50%
Other ingredients	Proprietary	Balance

* not present in N-Intelligent4 Brassicas (or Soluble Phosphate 9-2 – 10)

4. FIRST AID MEASURES

If medical advice is needed, have product container or label at hand. If exposed or concerned, get advice. For medical advice contact National Poisons Centre (tel. 0800 764 766) or a doctor

EYES: Hold eyes open and carefully rinse eyes with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice if irritation persists.

SKIN: Wash affected area with soap and water. Get medical advice if irritation or rash occurs.

INGESTION: Rinse mouth. Give a glass or two of water to drink. Get medical advice.

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INHALATION: If breathing is difficult, remove to fresh air, keep warm and at rest until recovered. If experiencing respiratory problems, call a Poison Centre or doctor.

FIRST AID FACILITIES: Eye wash and for hand washing facilities.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Nonflammable.

FLAMMABLE LIMITS: LFL: Not determined UFL: Not determined

EXTINGUISHING MEDIA: Use a water spray, dry agent, carbon dioxide or foam. Water spray or fog can be used to cool containers or on surrounding materials.

FIRE & EXPLOSION HAZARDS: Will emit toxic compounds (carbon oxides, nitrogen oxides and other compounds) if heated to decomposition.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spill. Wear gloves. Recover to containers that can be sealed. If product cannot be re-used, dispose of to landfill. Wash down area with plenty of water.

DISPOSAL: Use product as per label or bury in landfill.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Different products have different application rates depending on crops/end-use. Observe good personal hygiene. Wear gloves and glasses with side shields or goggles. Do not eat, drink or smoke when using product. Wash hands after use and before rest or meal breaks.

STORAGE: Store locked up in dry, well ventilated area and away from incompatible materials and foodstuffs. Ensure containers labelled, protect from physical damage and keep closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES: Workplace Exposure Standard (WES).
Particulates (not otherwise classified) WES-TWA 10 mg/m³

ENGINEERING CONTROLS: Not required.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Wear safety glasses with side shields (AS 1715/1716) if risk of splashes.

Skin protection: Wear gloves, e.g. rubber gloves (AS 2161). Wear overalls to protect clothes.

Respiratory protection: Not required when used outdoors and with adequate natural ventilation.

Other: Not required

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white powder

Odor: Distinctive

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Odor threshold:	Not applicable
pH:	~4.5 as aqueous solution
Melting point (°C):	Not available (mixture)
Boiling point (°C):	Not available
Flash point (°C):	Not flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability:	Not applicable
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not determined.
Solubility:	Soluble in water
Partition Coefficient	
:n-octanol/water:	Not available.
Autoignition temperature (°C):	Not known
Decomposition temperature:	Not known
Kinematic viscosity:	Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions (temperatures, pressure) of storage and use.

CONDITIONS TO AVOID: Storage in direct sunlight.

MATERIALS TO AVOID: Oxidizing materials, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, nitrogen oxides and other unspecified compounds.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner. Hazardous classifications are determined from mixture calculations based on available information on the components.

Acute toxicity: Classified as harmful if swallowed. Symptoms may include nausea, vomiting diarrhea, abdominal pain.

Aspiration hazard: No information available to indicate aspiration hazard.

Respiratory irritation: May irritate upper respiratory tract if dust inhaled.

Skin corrosion/irritation: May be mildly irritating to skin.

Serious eye damage/irritation: Irritant. Direct contact may cause redness, tearing and temporary swelling.

Respiratory or skin sensitization: Copper EDTA is classified as contact sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Borate compounds are identified as suspected of affecting male fertility and/or unborn child.

Specific organ toxicity: Not classified.

Narcotic effects: No information available.

Toxicity data:

Boric acid	Rat, oral LD ₅₀ 2668 mg/kg b.w.
	Mouse, oral LD ₅₀ 383 mg/kg b.w.
Potassium chloride	Rat, oral LD ₅₀ 2600mg/kg b.w.
Urea	Cattle, oral LD ₅₀ 510 mg/kg b.w.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Aquatic environment: Not classified.

Soil environment: Not classified.

Terrestrial vertebrates: Harmful to terrestrial vertebrates.

Terrestrial invertebrates: Not classified.

Ecotoxicological data on components:

No additional information available.

PERSISTENCE AND DEGRADATION: No information available to indicate ingredients persistent in environment. Mineral salts do contain metallic compound.

POTENTIAL TO BE BIOACCUMULATIVE: No information available to indicate bioaccumulative effects.

MOBILITY IN SOIL: Product is soluble in water.

OTHER ADVERSE EFFECTS: No specific information available.

13. DISPOSAL CONSIDERATIONS

Product: Use product as per label directions. Dispose of waste (unwanted product or residues) to landfill in accordance with Regional Authority or local council bylaws.

Packaging: Dispose of empty rinsed containers by crushing and burying in landfill. Do not use for storage of other products.

Special Precautions: No specific information available.

Unsuitable methods: Do not dispose of to drains or sewers.

14. TRANSPORT REGULATIONS

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not regulated	UN No.	Not regulated	UN No.	Not regulated
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Dangerous Goods Segregation

This product is not classified as a Dangerous Good.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

Country: New Zealand

Inventory: Components listed.

EPA New Zealand HSNO Approval Code: HSR002571 Fertilizers (Subsidiary Hazard) Group Standard 2017.

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For information on Controls refer to www.epa.govt.nz and www.worksafe.govt.nz.

16. OTHER INFORMATION

Date of Issue: 14th February 2019
Reasons for Issue: Review of classifications and SDS format.
Replaces: SDS dated 3rd December 2013.

Abbreviations:

EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
LD ₅₀	Dose lethal to 50% of population
NZS	New Zealand Standard
WES	Workplace Exposure Standard

References: Supplier Safety Data Sheets
CCID; www.epa.govt.nz
National Library of Medicine HSDS Database, <http://toxnet.nlm.nih.gov>
WorkSafe New Zealand www.worksafe.govt.nz

Other information:

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Bell-Booth Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET